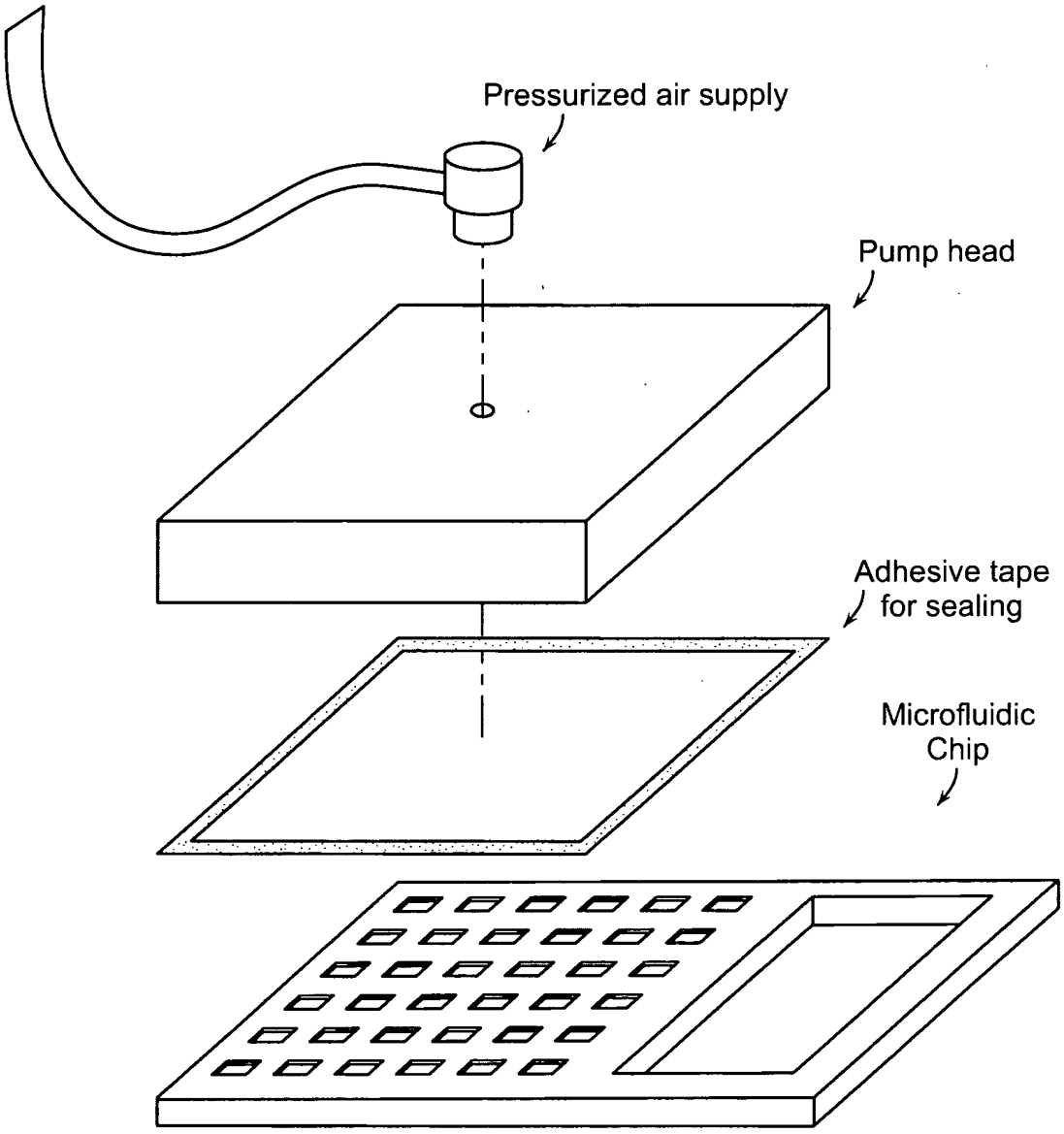
Pressurized air supply
Pump head
Adhesive tape
for sealing
Microfluidic
Chip

FIG. 1A

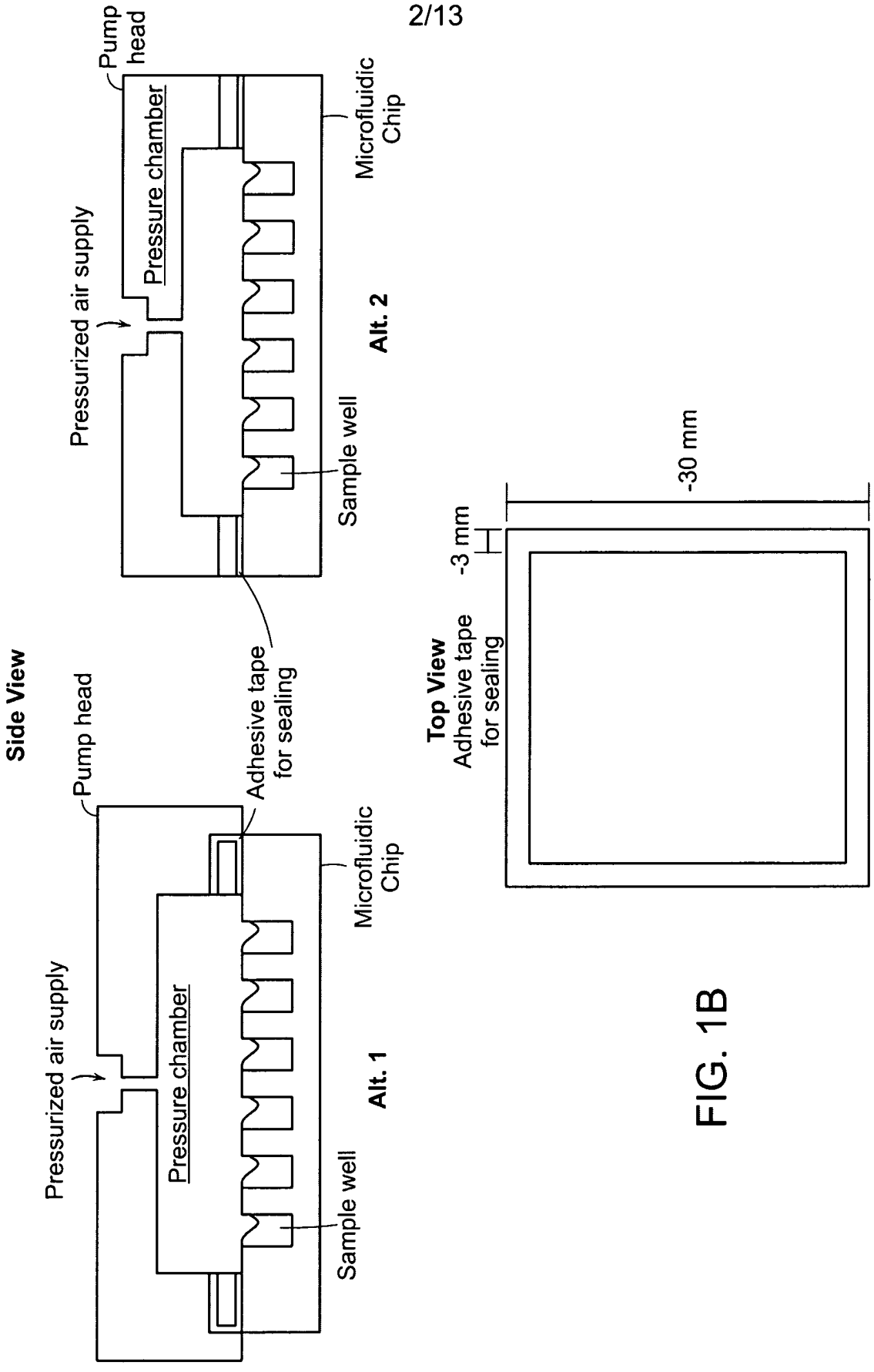
Side View
Pump head
Pressure chamber
Microfluidic Chip
Pressurized air supply
Sample well
Alt. 2
Pump head
Adhesive tape for sealing
Microfluidic Chip
Pressurized air supply
Pressure chamber
Sample well
Alt. 1
Top View
Adhesive tape for sealing
-3 mm
-30 mm

FIG. 1B

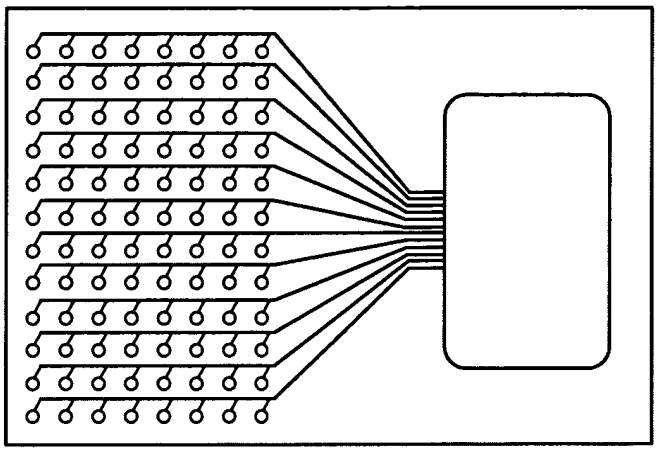

FIG. 2A

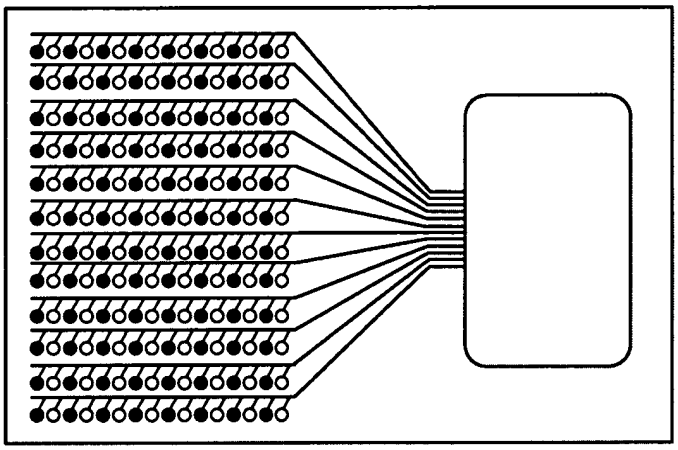

FIG. 2B

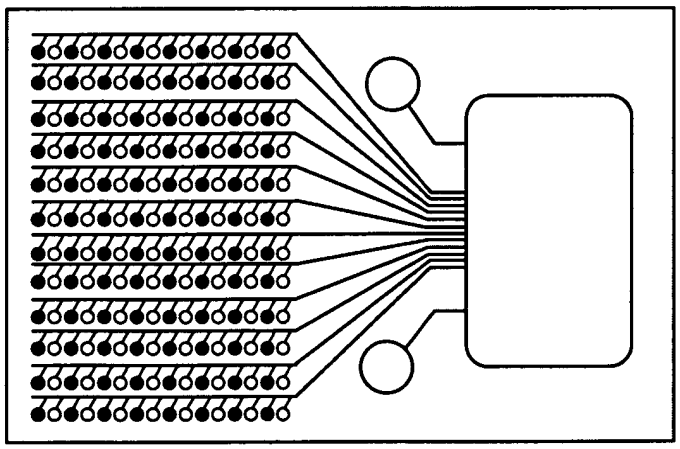

FIG. 2C

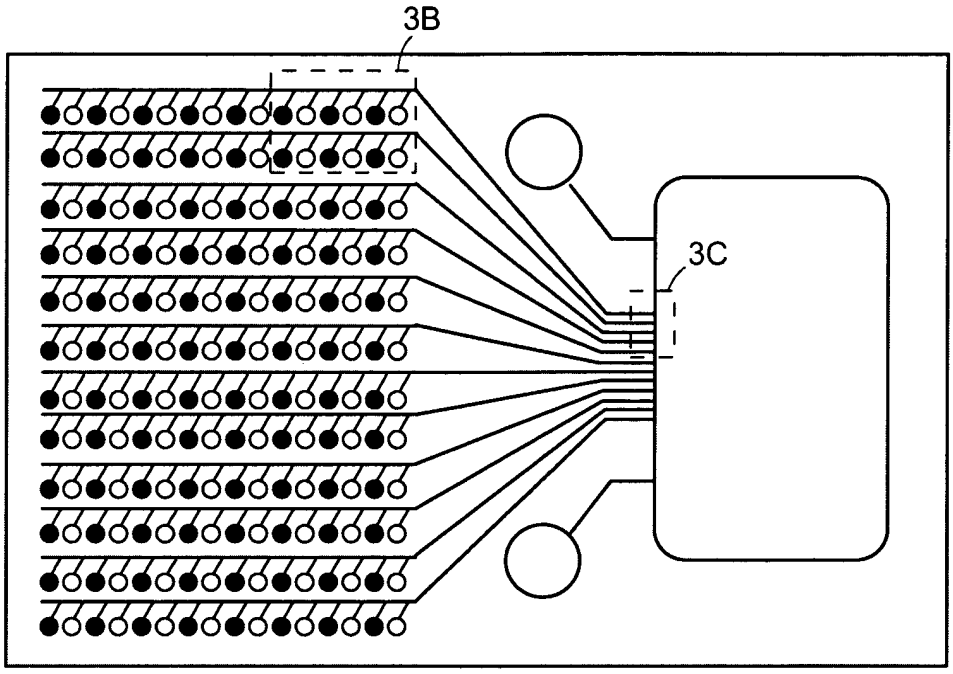

FIG. 3A

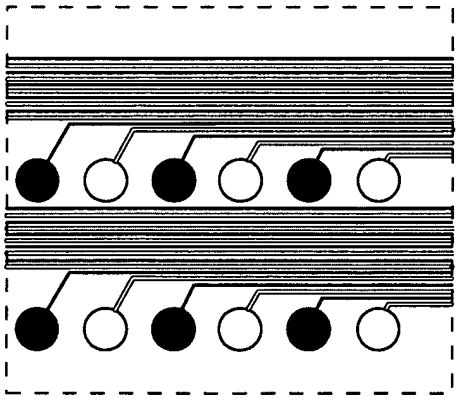

FIG. 3B

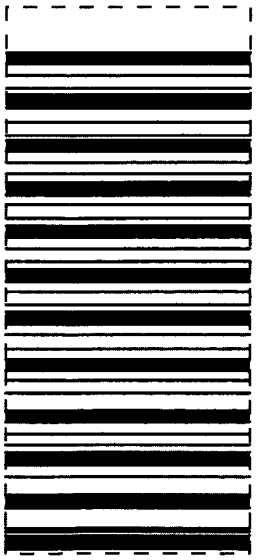

FIG. 3C

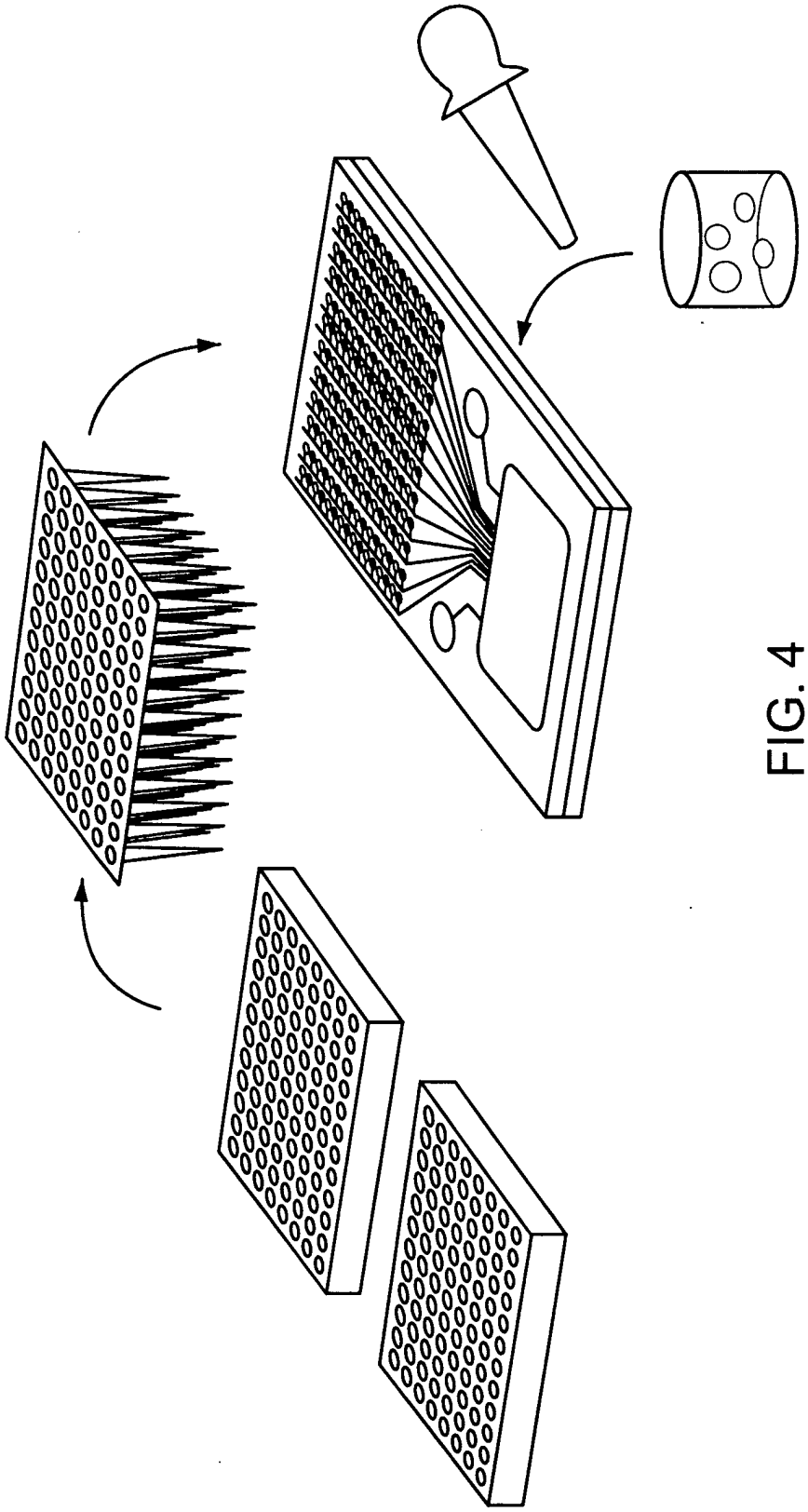

FIG. 4

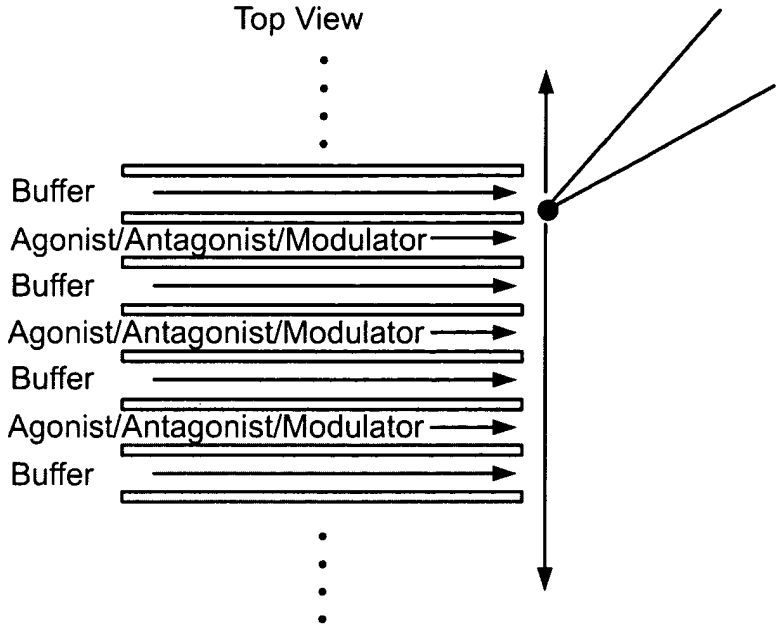

FIG. 5A

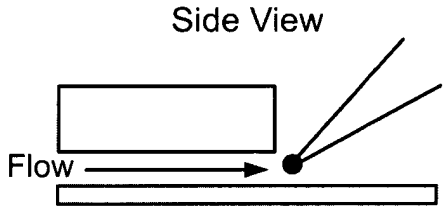

FIG. 5B

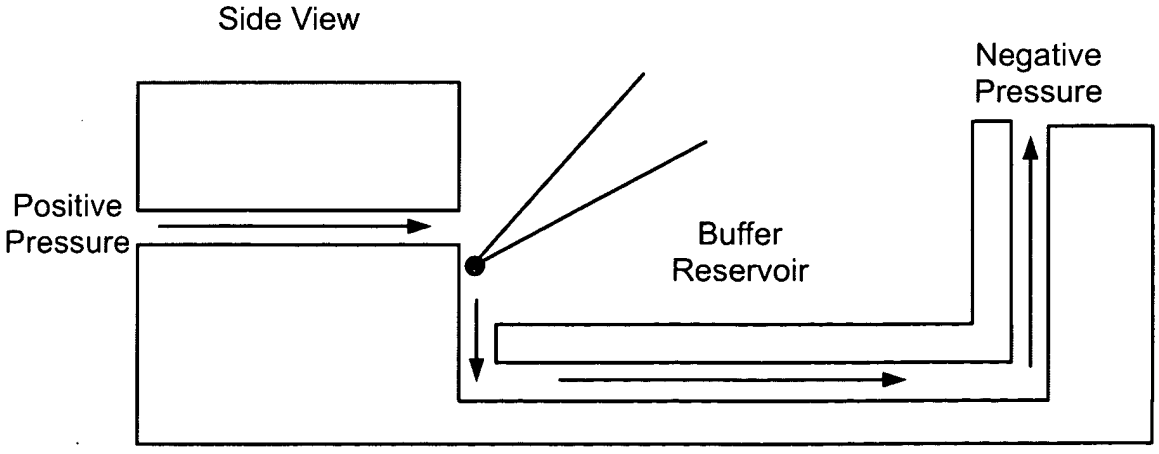

FIG. 5C

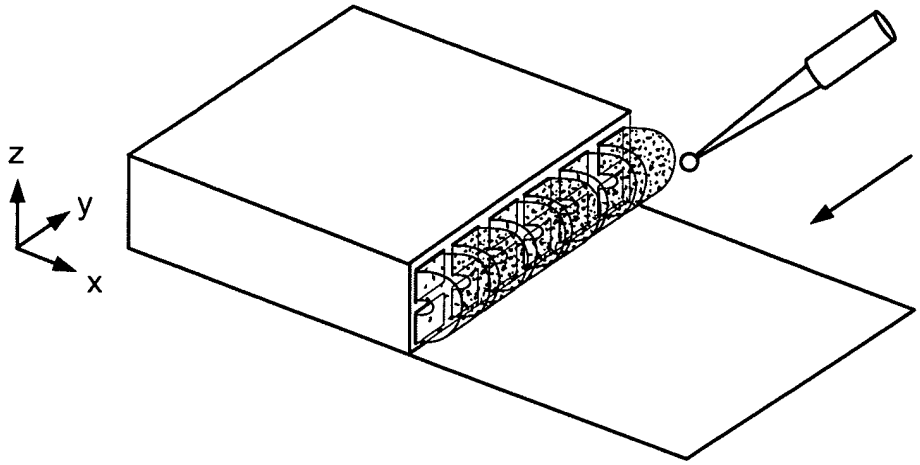

FIG. 5D

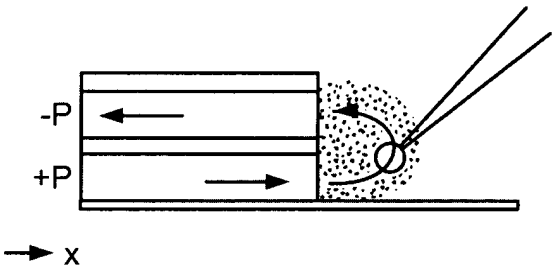

FIG. 5E

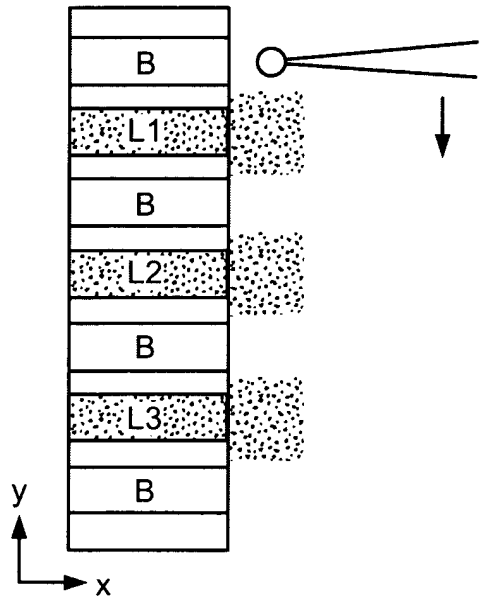

FIG. 5F

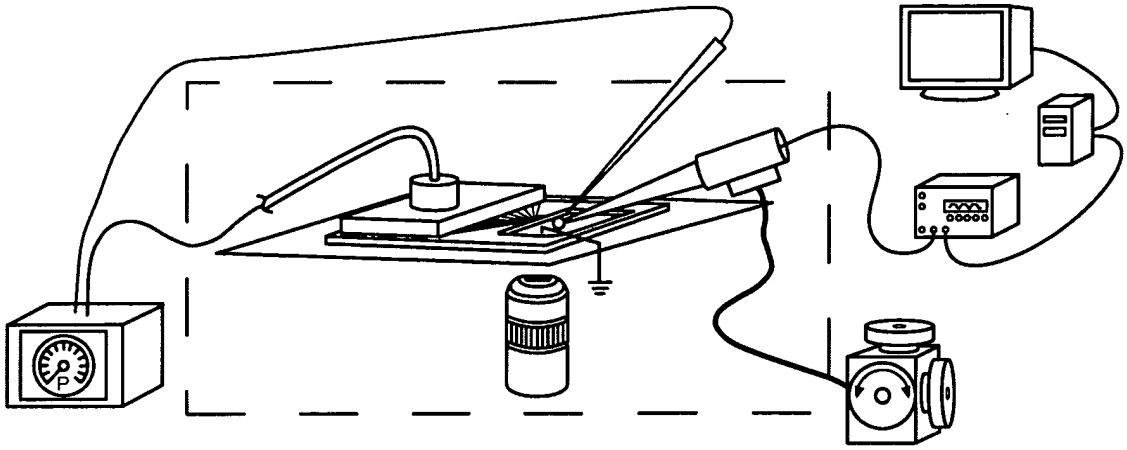

FIG. 6A

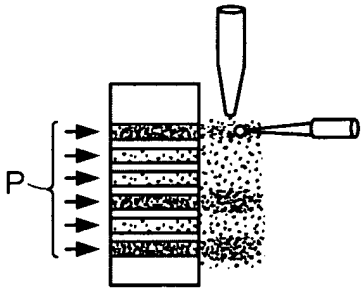

FIG. 6B

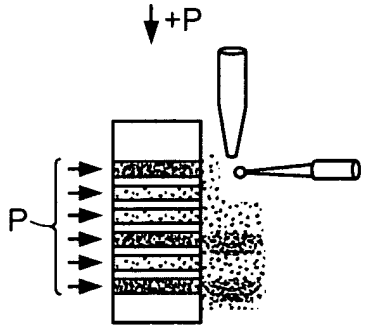

FIG. 6C

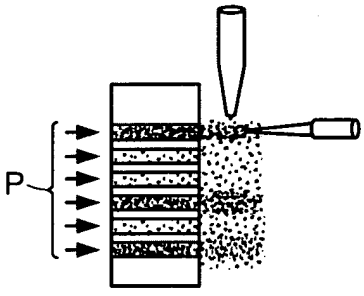

FIG. 6D

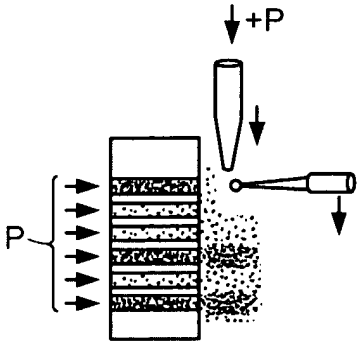

FIG. 6E

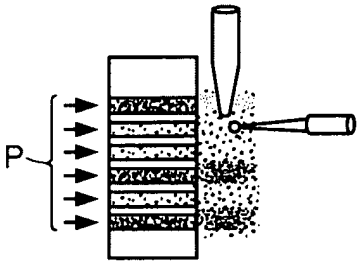

FIG. 6F

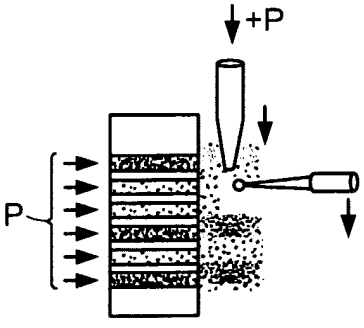

FIG. 6G

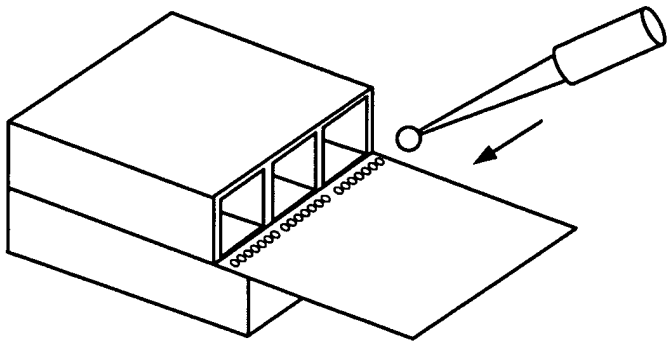

FIG. 6H

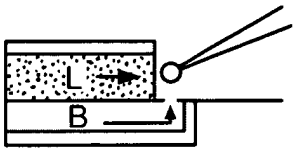

FIG. 6I

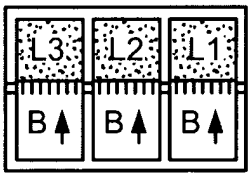

FIG. 6J

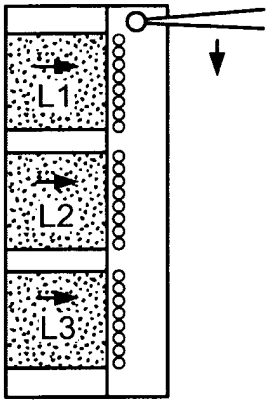

FIG. 6K

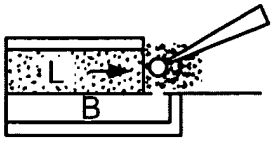

FIG. 6L

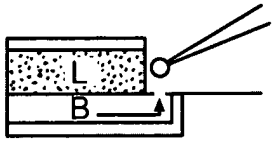

FIG. 6M

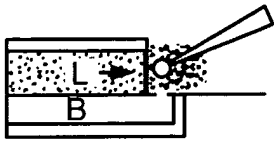

FIG. 6N

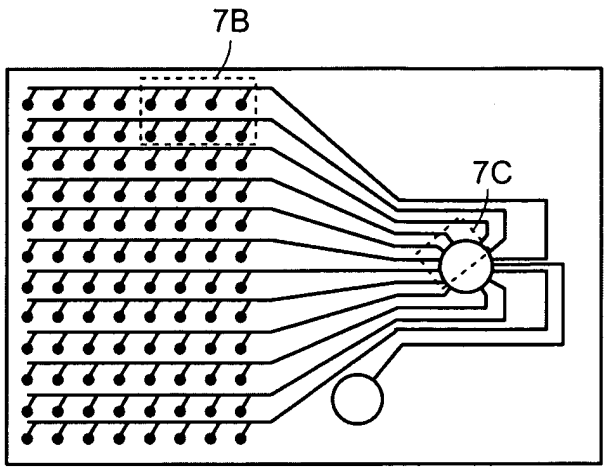

FIG. 7A

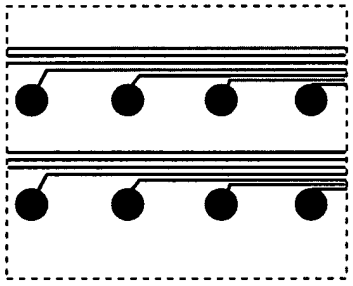

FIG. 7B

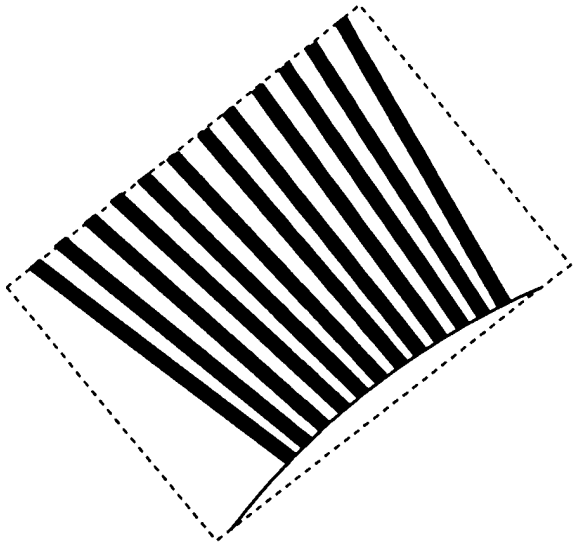

FIG. 7C

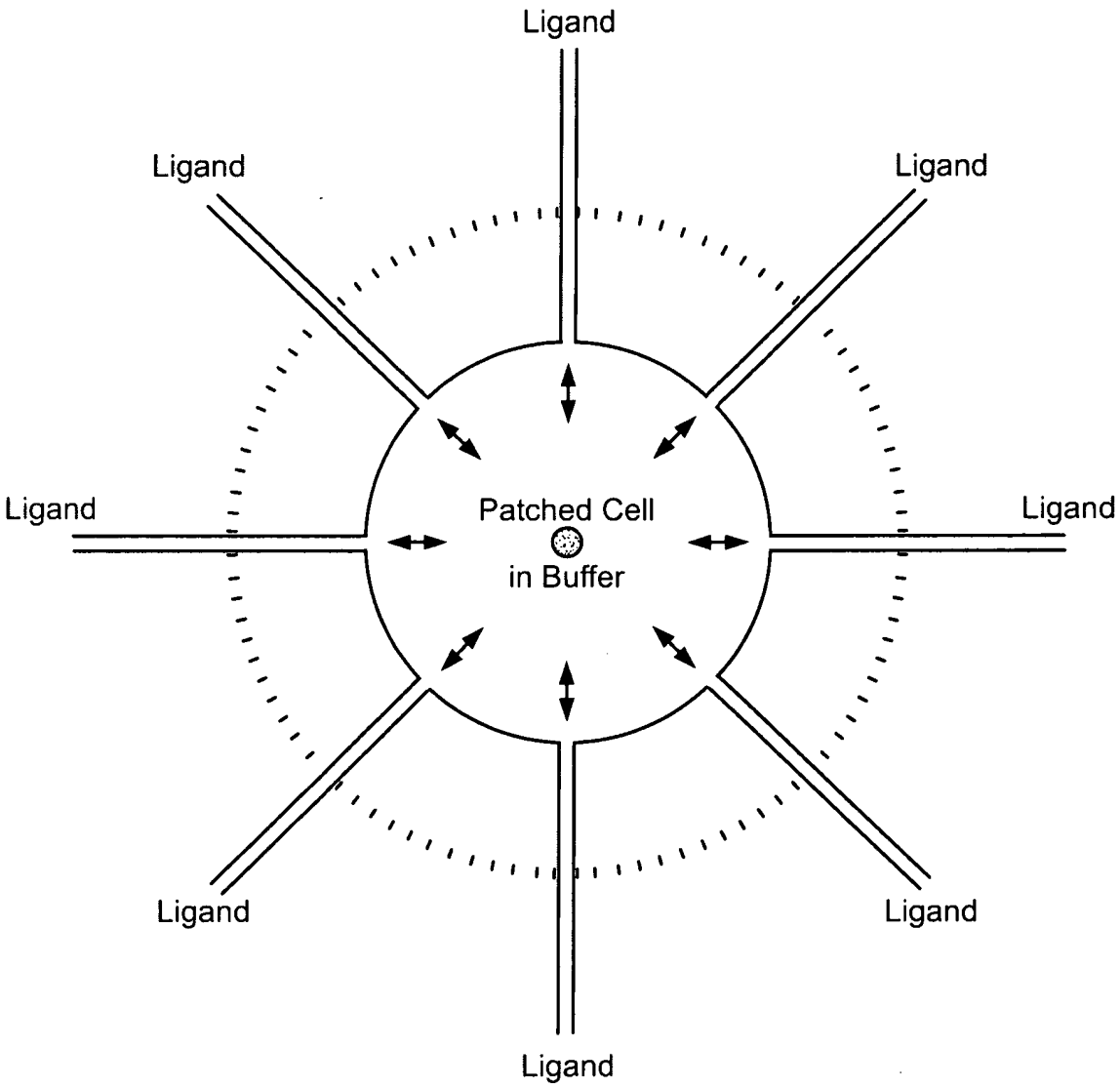
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FIG. 8

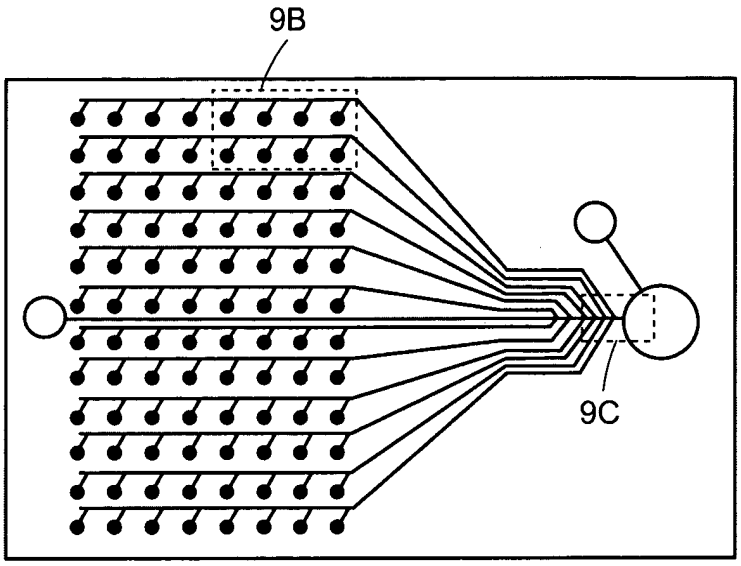

FIG. 9A

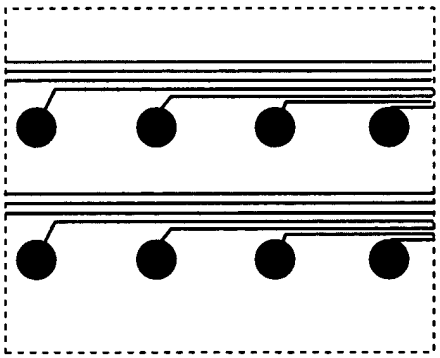

FIG. 9B

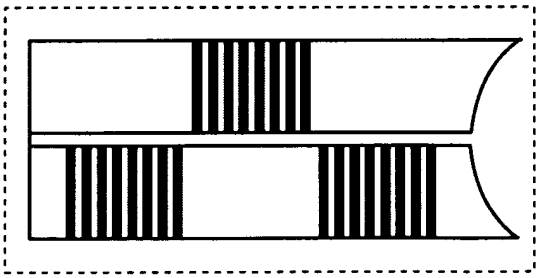

FIG. 9C

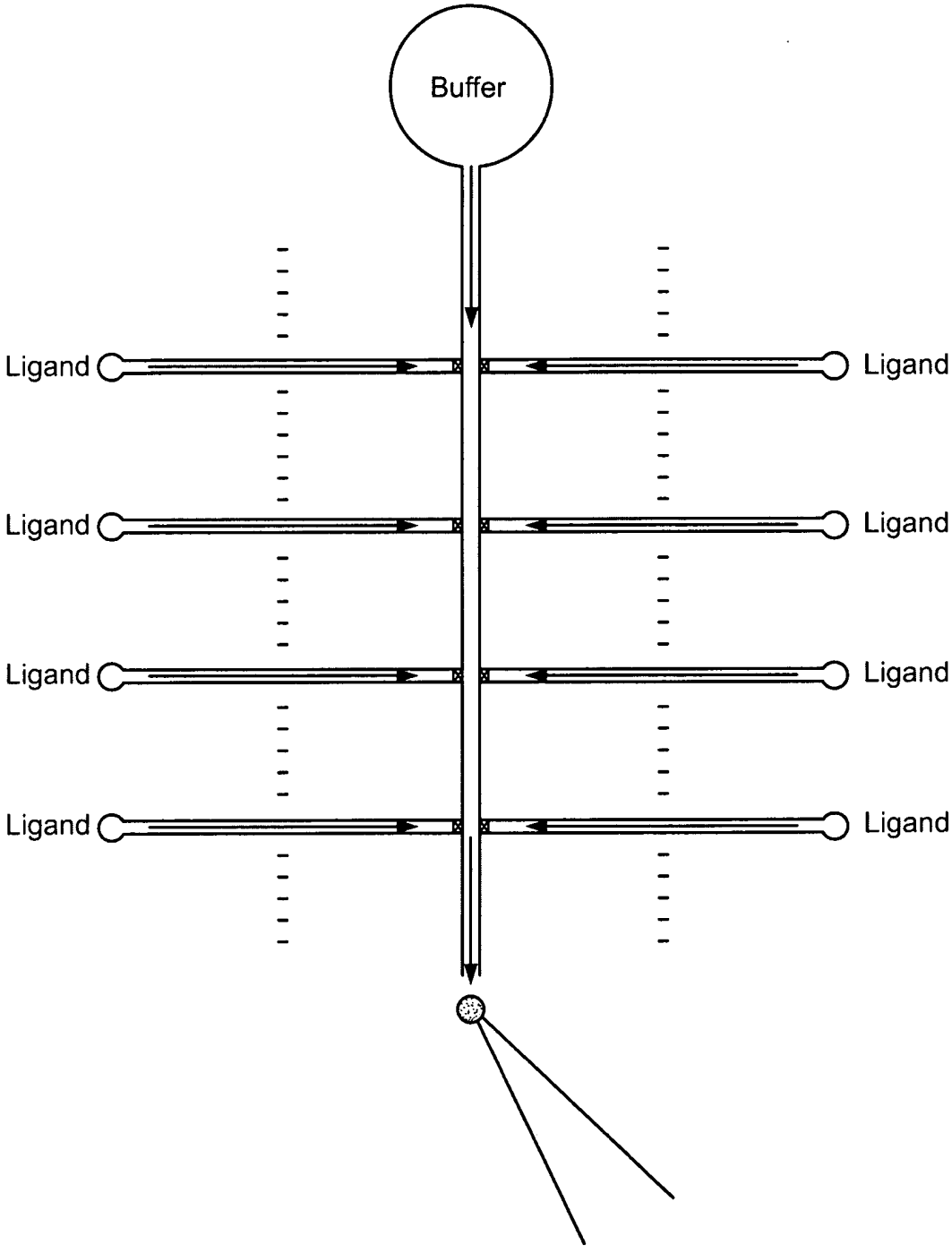
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FIG. 10